



SPYWOLF

Security Audit Report



Completed on
August 10, 2022

MADE IN USA 

@SPYWOLFNETWORK



@SPYWOLFNETWORK



SPYWOLF.CO





OVERVIEW

This audit has been prepared for **TELEGRAM INU** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✓ Contract's source code
- ✓ Owners' wallets
- ✓ Tokenomics
- ✓ Team transparency and goals
- ✓ Website's age, code, security and UX
- ✓ Whitepaper and roadmap
- ✓ Social media & online presence

“

The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal

- SPYWOLF Team -

”





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TELEGRAM INU



PROJECT DESCRIPTION

According to their website:

Telegram Inu is creating a based Ecosystem of utilities all designed to generate additional token volume which will generate additional passive income for all the holders.

Release Date: Launched on August 9, 2022

Category: Meme coin



CONTRACT INFO

Token Name
Telegram Inu

Symbol
TINU

Contract Address

0x4Aa22532e3E8B051eae48e60C58426c8553D5df5

Network

Binance Smart Chain

Language

Solidity

Deployment Date

August 09, 2022

Verified?

Yes

Total Supply

1,000,000,000

Status

Launched

TAXES

Buy Tax

9%

Sell Tax

9%

*Taxes can be changed in future



Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat



CURRENT STATS

(As of August 09, 2022)



Liquidity

PancakeSwap:
75 WBNB



Burn

No burnt tokens

Status:
Launched!

MaxTxAmount
20,000,000

DEX:
PancakeSwap

LP Address(es)

Pancakeswap:

0x32A8aEA6E28550E7aB5D6BB544aC3228b6744456

68.5% locked in PinkLock - unlocks at 2022.09.10 
<https://www.pinksale.finance/pinklock/record/1025624?chain=BSC>



TOKEN TRANSFERS STATS

Transfer Count	7067
Uniq Senders	748
Uniq Receivers	1188
Total Amount	6671089708.487354 TINU
Median Transfer Amount	127148.011093531 TINU
Average Transfer Amount	943977.6013141862 TINU
First transfer date	2022-08-09
Last transfer date	2022-08-10
Days token transferred	2

SMART CONTRACT STATS

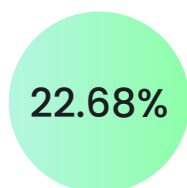
Calls Count	12334
External calls	970
Internal calls	11364
Transactions count	4274
Uniq Callers	934
Days contract called	2
Last transaction time	2022-08-10 10:28:49 UTC
Created	2022-08-09 16:41:10 UTC
Create TX	0x2e9b7c60f2747ebb70a2819b1dbe0ba9db b59ac958c9b20d69afa5b0224b7c15
Creator	0x703351c61020b02f32352cb4782c7becefd 8ec8



FEATURED WALLETS

Owner address	0x703351c61020b02f32352cb4782c7becefdf8ec8
LP address	Pancakeswap: 0x32A8aEA6E28550E7aB5D6BB544aC3228b6744456 68.5% locked in PinkLock - unlocks at 2022.09.10 ⚠️ https://www.pinksale.finance/pinklock/record/1025624?chain=BSC

LOCKED WALLETS



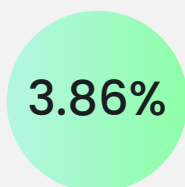
22.68%

Same as owner

Locked in PinkLock - unlocks at 2022.08.17 ⚠️
<https://www.pinksale.finance/pinklock/record/1025626?chain=BSC>

TOP 3 UNLOCKED WALLETS

1



3.86%

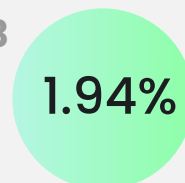
Same as owner

0x2ce4eb2b56d3aea1bf001bb20cd4a982f5c4f8eb

2

1.99%

3



1.94%

0x01a7168bd2161ef62c8dc4f7c8adf93e6316d44c



VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed



THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.



FOUND THREATS

⚠ High Risk

Owner can set buy/sell/transfer fees up to 100%.

```
function setFeesTransfer(uint taxFee, uint liquidityFee) external onlyOwner {
    _taxFee = taxFee;
    _liquidityFee = liquidityFee;
}

function setBuyFees(uint taxFee, uint liquidityFee) external onlyOwner {
    _taxFeeBuy = taxFee;
    _liquidityFeeBuy = liquidityFee;
}

function setSellFees(uint taxFee, uint liquidityFee) external onlyOwner {
    _taxFeeSell = taxFee;
    _liquidityFeeSell = liquidityFee;
}
```

- Recommendation:
 - Considered as good tax deduction practice is buy and sell fees combined not to exceed 25%.



FOUND THREATS

⚠ High Risk

Owner can blacklist address, making it impossible to sell.

```
function setBlacklist(address bot,bool e) external onlyOwner {
    _isBlacklisted[bot] = e;
}

function bulkBlacklist(address[] memory accounts) external onlyOwner returns (bool) {
    for(uint i=0; i < accounts.length; i++){
        _isBlacklisted[accounts[i]] = true;
    }
    return true;
}
```



Informational

Owner can exclude address from fees and transaction limits.

```
function setExcludedFromFee(address account, bool e) external onlyOwner {
    _isExcludedFromFee[account] = e;
}

function setExcludedFromMaxTx(address account, bool e) external onlyOwner {
    _isExcludedFromMaxTx[account] = e;
}
```

Owner can set cooldown between trades up to 255 seconds.

```
function cooldownEnabled(bool _status, uint8 _interval) public onlyOwner {
    opCooldownEnabled = _status;
    cooldownTimerInterval = _interval;
}
```



RECOMMENDATIONS FOR

GOOD PRACTICES

1

Consider fundamental tradeoffs

2

Be attentive to blockchain properties

3

Ensure careful rollouts

4

Keep contracts simple

5

Stay up to date and track development

TELEGRAM INU

GOOD PRACTICES FOUND

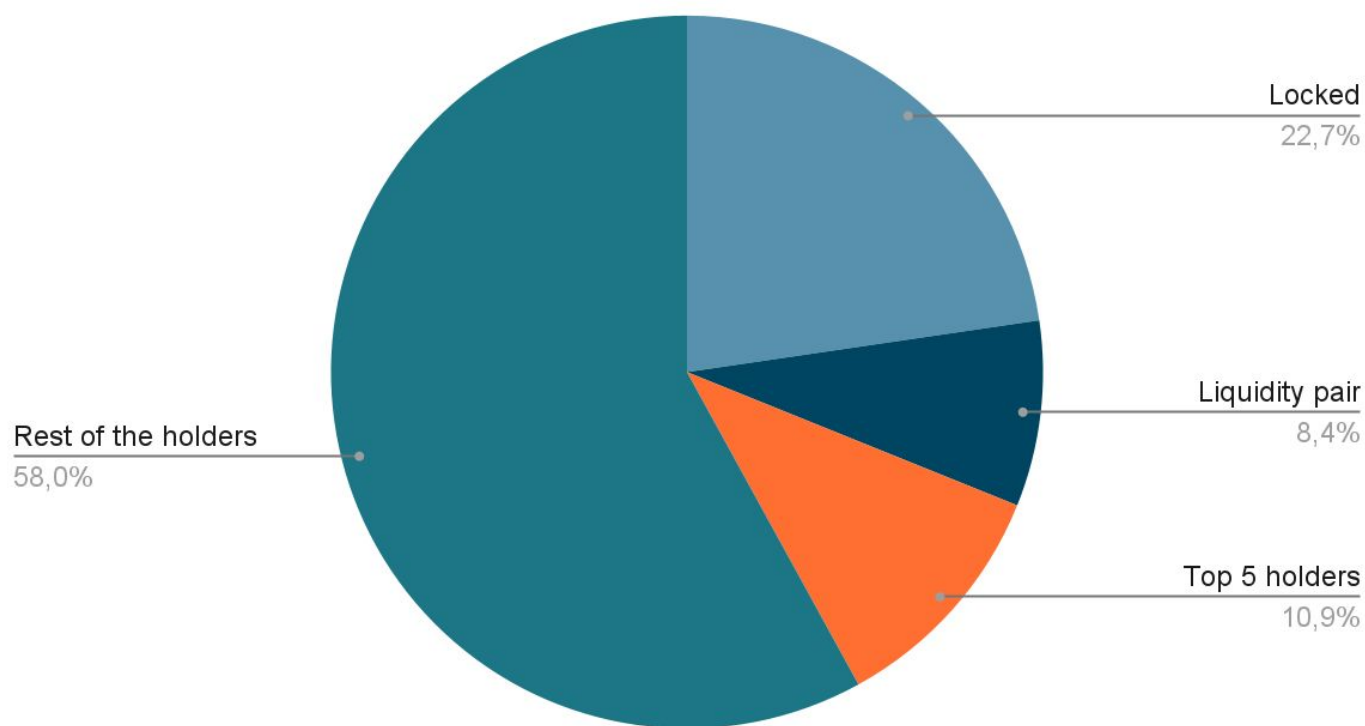
- ✓ The owner cannot mint new tokens after deployment
- ✓ The owner cannot stop or pause the contract
- ✓ The owner cannot set a transaction limit. Current max transaction limit is 2% of total supply



Current tokens distribution according to BSCScan:

- 22.68% - Locked
- 10.9% - Top 5 holders
- 8.42% - Liquidity pair
- 58% - Rest of the holders

Tokens distribution





THE TEAM

The team has privately doxxed to SPYWOLF by completing the following KYC requirements:

- ID Verification
- Video statement
- Video interview with devs
- Owner's wallet verification

KYC INFORMATION

Issuer

SPYWOLF

Members KYC'd



KYC Date

August 10, 2022

Format

Image

Certificate Link

https://github.com/SpyWolfNetwork/KYCs/blob/main/August/KYC_TelegramInu_0x4Aa22532e3E8B051eae48e60C58426c8553D5df5.png





WEBSITE

Website URL

<https://www.telegraminu.com/>

Domain Registry

<https://www.godaddy.com>

Domain Expiration

Expires on 2023-08-09

Technical SEO Test

Passed

Security Test

Passed. SSL certificate present

Design

Single page, template design, appropriate color scheme and graphics.

Content

The information helps new investors understand what the product does right away.

No grammar mistakes found.

Whitepaper

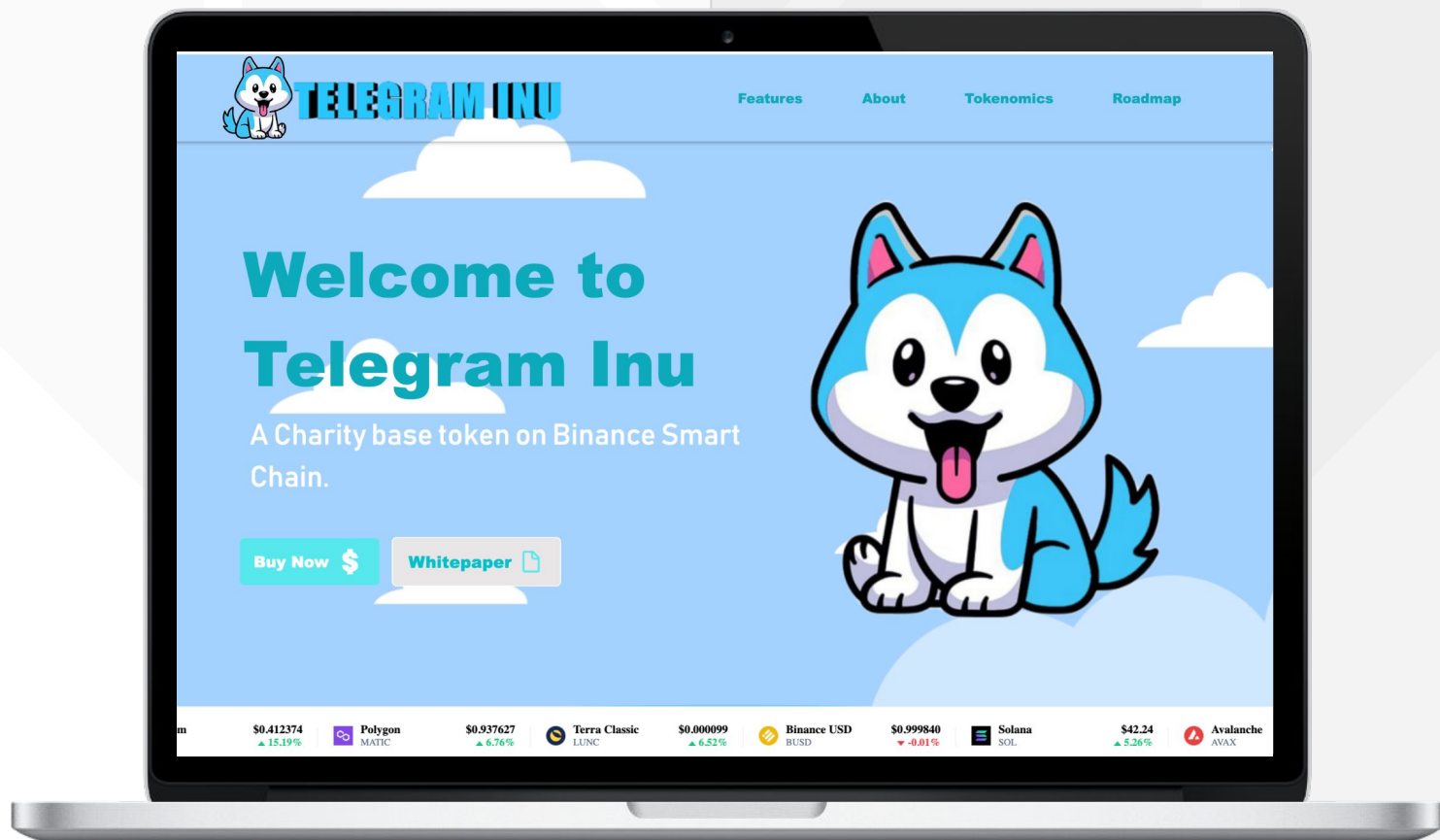
No whitepaper. ⚠️

Roadmap

Yes, goals set without time frames. Not many utilities planned.

Mobile-friendly?

Yes



telegraminu.com

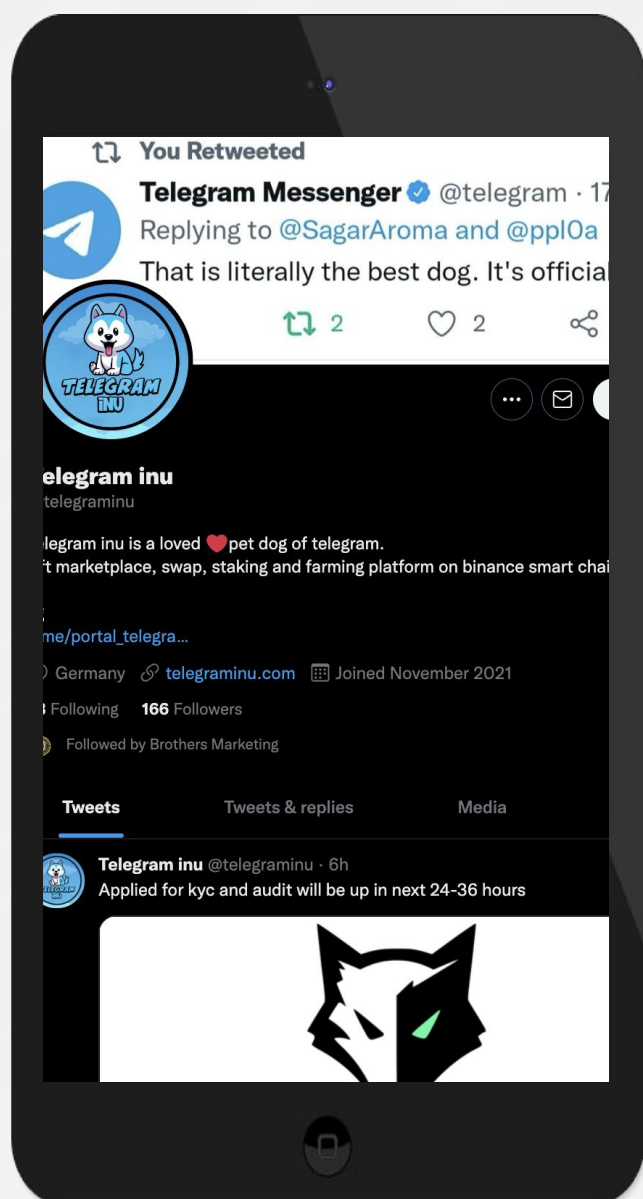


SOCIAL MEDIA & ONLINE PRESENCE



ANALYSIS

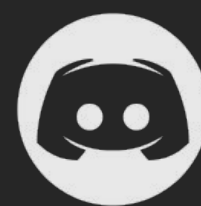
Project's social media activity is concentrated mainly in telegram, with organic user's engagement



Twitter

@telegraminu

- 158 followers
- Active
- New account ⚠️



Discord

- Not available



Telegram

@portal_telegraminu

- 1880 members
- Very active members
- Active mods



Medium

- Not available



SPYWOLF

CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

- ✓ OVER 150 SUCCESSFUL CLIENTS
- ✓ MORE THAN 500 SCAMS EXPOSED
- ✓ MILLIONS SAVED IN POTENTIAL FRAUD
- ✓ PARTNERSHIPS WITH TOP LAUNCHPADS, INFLUENCERS AND CRYPTO PROJECTS
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To hire us, reach out to
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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.